



EP.2837  
R. Ward  
PATENT  
10/18/98  
H2 Prel Ammt  
A/AGmt

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Meeks et al.

Serial No.: 09/082,264

Filed: May 20, 1998

For: METHOD AND APPARATUS FOR  
PRODUCING VIRTUAL ACOUSTIC SOUND

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Group Art Unit: 2831

Examiner: N/A

Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

RECEIVED  
OCT 29 1998  
GROUP 2100

Sir:

Prior to initial examination on the merits, please amend the above-identified application as follows:

IN THE ABSTRACT:

Please include the following abstract, which is repeated on a separate sheet of paper in accordance with 37 CFR 1.72(b):

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NOV 16 PM: 32  
98 GROUP 2100

ABSTRACT OF THE DISCLOSURE

A head-related impulse response to describe sound signals in a spatial environment is shown to accurately approximate three-dimensional sound data using limited computations, and can also be transformed for ease of computation. The head-related impulse response and disclosed computational methods thereof can be used to produce three-dimensional sound via a method described and refined. Implementations of the method can be used for applications with one or